Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/06/2015 12:05 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123701	-2	1.55	123530	1.48
Blue	F	SSC	125000	122818	-2	2.29	123661	1.98
Blue	E	FITC	17374	16718	-4	2.22	942	8.47
Blue	D	PE	22653	21977	-3	1.81	992	7.65
Blue	B	PerCP-Cy5-5	64987	63416	-3	2.47	1678	12.40
Blue	A	PE-Cy7	74081	71944	-3	3.56	947	23.00
Red	C	APC	61430	60102	-3	2.72	3398	7.90
Red	A	APC-Cy7	88289	87559	-1	2.81	1728	7.67
Violet	B	V450	12535	12013	-5	2.69	742	7.04
Violet	A	V500	47468	45893	-4	2.23	2592	4.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20104	4.78	581	2	N/A	N/A	Pass
Blue	F	SSC	61388	1.30	494	5	N/A	N/A	Pass
Blue	E	FITC	103	33.78	511	2	0.0278	106	Pass
Blue	D	PE	207	23.46	504	3	0.1922	145	Pass
Blue	B	PerCP-Cy5-5	204	37.07	584	4	0.0124	0	Pass
Blue	A	PE-Cy7	73	87.37	641	4	0.0173	4	Pass
Red	C	APC	317	25.58	572	2	0.0229	27	Pass
Red	A	APC-Cy7	109	37.82	549	3	0.0053	1100	Pass
Violet	B	V450	79	37.89	446	-3	0.0608	1894	Pass
Violet	A	V500	171	18.34	475	-3	0.0202	71	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.28	-30.95	0.88
Blue	20.45	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.31
Red	15.27	13.07 - 19.61	N/A	N/A	31.53	31.76	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9942

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments